

FEB 20 2007

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| Attention: | MAIL STOP AF Group Art Unit: 2817 Examiner: CHOE, Henry | Fax: | (571) 273-8300 |
| UNITED STATES PATENT AND TRADEMARK OFFICE | | Phone: | (571) 272-1760 |
| Pages: | Cover + 2 + 2 + 1 = 6 | Date: | February 20, 2007 |
| From: | Georgann S. Grunebach | Fax: | (310) 964-0941 |
| | Assistant General Counsel | Phone: | (310) 964-4615 |

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Georgann S. Grunebach, Reg. No. 33,179
(Printed Name of Person Signing Certificate)February 20, 2007
(Date of Signature)**Attention: Commissioner for Patents****Attorney Docket No. PD-202131****ISSUE FEE DUE: FEBRUARY 21, 2007**

Please find attached Re:

Serial No.: 10/532,509

Filing Date: April 25, 2005

- SUPPLEMENTAL DISCLOSURE STATEMENT WITH FEE (2 pages in duplicate)
- SUBSTITUTE PTO FORM 1449 (1page)

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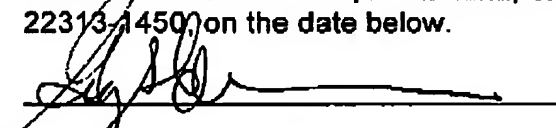
The DirecTV Group, Inc., CA/LA1/A109, P. O. Box 956, El Segundo CA 90245

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Patent
PD-202131
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen et al. : I hereby certify that this correspondence is
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: 
: Georgann S. Grunebach
: Typed or printed name of person signing certificate
Group Art Unit: 2817 :
Examiner: CHOE, Henry : Date: February 20, 2007

SUPPLEMENTAL DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97 (d)
WITH FEE AS SET FORTH IN §1.17(p)

Mail Stop AF
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

Reference citation numbers 1 and 2 were cited in an Office Action dated January 24, 2007 of related U.S. patent application serial number 10/691,032 filed October 22, 2003.

Reference citation numbers 3 through 9 were cited in an Office Action dated February 6, 2007 of related U.S. patent application serial number 10/532,632 filed April 25, 2005.

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Serial No. 10/532,509.....FEB 20 2007.....Page 2

This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the issue fee as set forth in 37 C.F.R. § 1.97(d).

Certification Under 37 C.F.R. §1.97(e)

No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. § 1.97 (e)(2)).

PAYMENT OF FEE SET FORTH IN §1.17(p)

Please charge Deposit Account No. **50-0383** of Hughes Electronics Corporation, El Segundo, California, in the amount of **\$180.00**. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. **This form is being submitted in duplicate.**

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By: 
Georgann S. Grunebach, Reg. No. 33,179

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El Segundo, CA 90245

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February 20, 2007

FEB 20 2007

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|---|------------------------|----------------------|----------------|
| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | Complete if Known | |
| | | Application Number | 10/532,509 |
| | | Filing Date | April 25, 2005 |
| | | First Named Inventor | Ernest C. Chen |
| | | Art Unit | 2817 |
| | | Examiner Name | CHOE, Henry |
| Date: | February 20, 2007 | | |
| Sheet 1 of 1 | Attorney Docket Number | PD-202131 | |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|----------|-------------------------------------|--------------------------------|--|--|
| Examiner Initials* | Cite No. | Document Number Number-Kind Code | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | 1 | US-6,522,683 | 02-2003 | Smee et al. | |
| | 2 | US-7,161,931 | 01-2007 | Li et al. | |
| | 3 | US-6,956,841 | 10-2005 | Stahle et al. | |
| | 4 | US-6,049,566 | 04-2000 | Saunders et al. | |
| | 5 | US-2002/0136327 | 09-2002 | El-Gamal et al. | |
| | 6 | US-7,154,958 | 12-2006 | Dabak et al. | |
| | 7 | US-2003/0194022 | 10-2003 | Hammons et al. | |
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| | 9 | US-2002/0051435 | 05-2002 | Giallorenzi et al. | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|----------|--|--------------------------------|--|--|---|
| Examiner Initials* | Cite No. | Foreign Patent Document Country Code-Number-Kind Code | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T |
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